Amendment to the Claims

This listing of claims will replace all prior versions and listing of claims in the application:

Listing of the Claims:

1. (Currently Amended) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer ~~containing at least pyrrolo-quinoline quinone dependent glucose dehydrogenase,~~ formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains an admixture of at least pyrrolo-quinoline quinone dependent glucose dehydrogenase and at least one additive selected from the group consisting of gluconic acid and salts thereof and wherein the glucose sensor is in a sealed container.

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2. (Previously presented) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains at least one additional additive selected from the group consisting of phthalic acid, salts of phthalic acid, maleic acid, salts of maleic acid, succinic acid and salts of succinic acid.

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3. (Previously presented) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains calcium ions.

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~~4.~~ (Previously presented) The glucose sensor as set forth in claim 1, wherein said salt of gluconic acid is potassium gluconate, sodium gluconate, calcium gluconate, cobalt gluconate, or copper gluconate.

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~~5.~~ (Previously presented) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains an electron mediator.

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~~6.~~ (Previously presented) The glucose sensor as set forth in claim 2, wherein said reaction layer further contains calcium ions.

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~~7.~~ (Previously presented) The glucose sensor as set forth in claim 2, wherein said salt of gluconic acid is potassium gluconate, sodium gluconate, calcium gluconate, cobalt gluconate, or copper gluconate.

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~~8.~~ (Previously presented) The glucose sensor as set forth in claim ~~3~~, wherein said salt of gluconic acid is potassium gluconate, sodium gluconate, calcium gluconate, cobalt gluconate, or copper gluconate.

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~~9.~~ (Previously presented) The glucose sensor as set forth in claim 2, wherein said reaction layer further contains an electron mediator.

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~~10.~~ (Previously presented) The glucose sensor as set forth in claim ~~3~~, wherein said reaction layer further contains an electron mediator.

10 11. (Previously presented) The glucose sensor as set forth in claim 4 9, wherein said reaction layer further contains an electron mediator.

13 12. (Currently amended) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer ~~containing at least pyrrolo-quinoline quinone dependent glucose dehydrogenase,~~ formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains an admixture of at least pyrrolo-quinoline quinone dependent glucose dehydrogenase and at least one additive selected from the group consisting of gluconic acid and salts thereof, wherein the response of the sensor immediately fabricated is substantially the same as compared to the sensor after being stored in a sealed container for one week at 40°C.

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14 13. (Previously presented) The glucose sensor as set forth in claim 12 13 in a sealed container.

15 13. (Previously presented) The glucose sensor as set forth in claim 12 13 wherein the amount of gluconic acid or salt thereof is within the range of 1.5 to 150 μg and the amount of glucose dehydrogenase is 0.2 to 20 U.

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15. (Previously presented) The glucose sensor as set forth in claim 1 wherein the amount of gluconic acid or salt thereof is within the range of 1.5 to 150 μg and the amount of glucose dehydrogenase is 0.2 to 20 U.

F1 Cont'd

16. (Previously presented) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer containing at least pyrrolo-quinoline quinone dependent glucose dehydrogenase, formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains at least one additive selected from the group consisting of gluconic acid and salts thereof and one additional additive selected from the group consisting of phthalic acid , salts of phthalic acid, maleic acid, salts of maleic acid , succinic acid and salts of succinic acid.